BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING

Insert Title:

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

METHOD AND SYSTEM FOR PROVIDING PROTECTION IN AN OPTICAL COMMUNICATION NETWORK

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Fill in Appropriate Information -	forth above and/or	the following:	ereto. If not attached here					
For Use Without	United States A	Application Number	er	· · · · · · · · · · · · · · · · · · ·			a.	
Specification	and amended	жі	/*		······································	(if applicable)	and/or	
Attached:	the specificatio	n was filed on					as PCT	
	International A	pplication Numbe	r				and was	
	amended on _	· · · · · · · · · · · · · · · · · · ·			-	(if applicable) specification, including the claims, as		
	with the party of all and all and all and all and all all and all all all all all all all all all al	enconcat referred	to above.	•			•	
• • •	Kegulations, 51,56.		ose information which is		• • •	_		
	thereot, or patented year prior to this ap prior to this applica date of this applica representative or as	or described in a oplication, that the tion, that the inve- ition in any coun- signs more than the certificate on this	the same was ever known ny printed publication in same was not in public ntion has not been patent try foreign to the Unite welve months (six month invention has been filed in tatives or assigns, except	any country be use or on sale it ed or made the d States of Am s for designs) p	fore my or our invent the United States of subject of an inventor' terica on an application rior to this application forming to the United S	ion thereof or m America more to s certificate issue on filed by me takes of America	ore than one han one year ed before the or my legal oplication for my to this	
	or inventor's certific	toreign priority be ate listed below an	Itatives or assigns, except mefits under Title 35, Uni d have also identified belo	ted States Code, ow any foreign a	, §119(a)-(d) of any for application for patent o	reign application or inventor's certi	(s) for patent ficaté having	
:	a unite date perote r	ner or one apprican	on on which priority is cla	nimed:	II			
Bearing Districts	Prior Foreign App	lication(s)	•			Priority C	laixned	
Insert Priority Information:								
(if appropriate)	(Number)	(Country)		(Month/Day	/Year Filed)	∐ Yes	□ No	
	(Number)	(Country)		(Month/Day	/Year Filed)	☐ Yes	□ No	
		-						
	(Number)	(Country)		(Month/Day	/Year Filed)	Yes	N ₀	
	(Number)	(Country)		(Month/Day	(Vast Filed)	☐ Yes	□ No	
			5, United States Code, §11					
			-,, 5			PF		
Insert Provisional	60/398,276		**************************************	[uly 24, 2002 (Eiling Date)				
Application(s): (if any)	(Application Numbe	er)		(Filing D	ate)			
	(Application Number)			(Filing Date)				
	All Foreign Application the Filing Date of Th		y Patent or Inventor's Ce	rtificate Filed M	ore than 12 Months (6	Months for Desi	igns) Prior to	
	Country		Application Number		Date of Filing (Month	/Day/Year)		
Insert Requested Information: (if appropriate)								
	Code, §112, I acknow	or United States and Swiedge the duty of Sp. §1.56 which bed	35, United States Code, sed below and, insofar as d/or PCT application in the disclose information warme available between sign.	ne manner provi hich is material	ided by the first paragr to the patentability as	raph of Title 35, I a defined in Title	United States 37, Code of	
Insert Prior U.S. Application(s): (if any)	(Application Number	a)	(Filing Date)		(Status - patented, per	nding, abandone	<u>d)</u>	
Page 1 of 2 (Rev. 12/2002)	(Application Number	ज्य)	(Filing Date)		(Status - patented, per	nding, abandone	d)	

I hereby appoint the practitioners at CUSTOMER NO. 2292 and David Soltz (Reg. # 34,731) as my attorneys or agents to prosecute this application and/r an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

GIVEN NAME/FAMILY NAME Joseph BERTHOLD Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA GIVEN NAME/FAMILY NAME Loudon BLAIR Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Livindence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country)	GIVÊN NAME/FAMILY NA	ME INVENTOR'S SIGNAT	TURE	DATE*					
Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland, USA GIVEN NAME/FAMILY NAME Loudon BLAIR Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) Toll Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country)	Joseph BERTHOLD			J2					
Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP CITIZENSHIP CITIZENSHIP CITIZENSHIP CITIZENSHIP CITIZENSHIP CITIZENSHIP CITIZENSHIP		try)	T CITIZENSHI	i ·					
2201 Winterson Road, Linthicum, Maryland, USA GIVEN NAME/FAMILY NAME Loudon BLAIR Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country)	→ Linthicum, Maryland, USA	•							
201 Winterson Road, Linthicum, Maryland, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) CITIZENSHIP CITIZENSHIP CITIZENSHIP CITIZENSHIP	MAILING ADDRESS (Compl	ete Street Address including City, State & Co	ountry)						
Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP Residence (City, State & Country) CITIZENSHIP CITIZENSHIP									
Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA CIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) CITIZENSHIP CITIZENSHIP CITIZENSHIP	GIVEN NAME/FAMILY NA	ME INVENTOR'S SIGNAT	URE	DATE					
Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME REsidence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) CITIZENSHIP	Loudon BLAIR	Lund -	75 Lin.						
MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAJLING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAJLING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP	Residence (City, State & Coun	ıtry)	CITIZENSHI						
MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) CITIZENSHIP	Linthicum, Maryland, USA		lu	. K					
1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) CITIZENSHIP	MAILING ADDRESS (Comple	ete Street Address including City, State & Co							
Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) CITIZENSHIP	•		•						
Roger BAKOS Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) MAJLING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country)	GIVEN NAME/FAMILY NA	ME INVENTOR'S SICKLAT	TIPE	LINATES					
Residence (City, State & Country) Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) CITIZENSHIP MAILING ADDRESS (Complete Street Address including City, State & Country) CIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP Residence (City, State & Country)		AVENIORS SIGNAL	UKE	DAILE					
Linthicum, Maryland, USA MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE*		utry)	CITIZENSHI	P .					
MAILING ADDRESS (Complete Street Address including City, State & Country) 1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP				-					
1201 Winterson Road, Linthicum, Maryland 21090, USA GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) CITIZENSHIP									
Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE Residence (City, State & Country) CITIZENSHIP Residence (City, State & Country)	1	• • •	Aut. 17						
Residence (City, State & Country) MAJUING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) MAJUING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP			7 17.7	77.4					
MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP	1	ME INVENTORSSIGNAT	URE	DATE					
GIVEN NAME/FAMILY NAME Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP	Residence (City, State & Coun	try)	CITIZENSHII	P					
Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP	MAILING ADDRESS (Comple	MAILING ADDRESS (Complete Street Address including City, State & Country)							
Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP CITIZENSHIP									
Residence (City, State & Country) MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP	·	ME INVENTOR'S SIGNAT	URE	DATE*					
MAILING ADDRESS (Complete Street Address including City, State & Country) GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP	m 11 - (0) - 0 - 1 - 0								
GIVEN NAME/FAMILY NAME INVENTOR'S SIGNATURE DATE* Residence (City, State & Country) CITIZENSHIP	Residence (City, State & Coun	try)	CITIZENȘHII	P					
Residence (City, State & Country) CITIZENSHIP	MAILING ADDRESS (Comple	MAILING ADDRESS (Complete Street Address including City, State & Country)							
Residence (City, State & Country) CITIZENSHIP			·						
		ME INVENTOR'S SIGNATI	URE	DATE*					
MAILING ADDRESS (Complete Street Address including City, State & Country)	Residence (City, State & Coun	try)	CITIZENSHII	?					
MAILING ADDRESS (Complete Street Address including City, State & Country)									
	MAILING ADDRESS (Comple	MAILING ADDRESS (Complete Street Address including City, State & Country)							

Page 2 of 2 (Rev. 12/2002)

*DATE OF SIGNATURE

(Status - patented, pending, abandoned)

BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING

Insert Prior U.S.

Application(s):

(if any)

(Application Number)

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

	Zev Citable Oxform				CTWODE		
nsert Title:	METHOD AND SYSTEM FOR PROVIDING PROTECTION IN AN OPTICAL COMMUNICATION NETWORK						
/III in Appropriate	forth above and/or the following:					es as sé as	
nformation -	The specification	n was filed on					
ox Use Without	United States A	pplication Number			(if apolicable)	and/or	
pecification	and amended o	mGlad as			(=)	as PCT	
Attached:	the specimento	n was nied on			;	and was	
	the specification was filed on International Application Number amended on					plicable)	
	I hereby state t	hat I have reviewed	and understand the cor	ntents of the above-identified specific	cation, including t	the claims, a	
	amended by any am I acknowledge	endment referred to the duty to disclos	above. se information which is	material to patentability as defined	in Title 37, Coo	ie of Federa	
	thereof, or patented year prior to this ap prior to this applica date of this applica representative or as patent or inventor's application by me or I hereby claim	or described in any oplication, that the invent ation, that the invent ation in any country that two certificate on this ir my legal represent foreign priority ben and this ir the listed below and	opinited publication in aime was not in publication has not been patent y foreign to the Unite elve months (six month wention has been filed in the public that it is the public to the public that it is the public that it is the public that it is the public that is the public that is the public that the public that the the the the the the the the	ow any foreign application for patent	f America more to r's certificate issu- tion filed by me on, and that no a States of America preign application or inventor's cert	han one yeared before the or my legs pplication to a prior to thin (s) for pater ifficate having	
	Prior Foreign App				Priority C	Jaimed	
Insert Priority	1 1101 1 010-61	, 20mm			_	P=1	
Information:							
(if appropriate)	(Number)	(Country)		(Month/Day/Year Filed)	Yes	No	
	O	(Country)		(Month/Day/Year Filed)	C Yes	□ No	
	(Number)	(Country)		(1/10/144 24),			
				0.4 1.4 (0.4 (0.4 (0.4 (0.4 (0.4 (0.4 (0.4 (0		□ No	
	(Number)	(Country)		(Month/Day/Year Filed)	Yes	NO	
	(Alumbar)	(Country)	.	(Month/Day/Year Filed)	Yes	No	
	(Number) (Country) 1 hereby claim the benefit under Title 35, United States Code, \$1			·	applications(s) li	sted below.	
		gnerit ander TRP S	, orace states come, g.				
Insert Provisional	60/398,276			[u]y 24, 2002	····		
Application(s): (if any)	(Application Numb)er)		(Filing Date)			
	(Application Number)			(Filing Date)			
	All Foreign Applications, if any, for any Patent or Inventor's C the Filing Date of This Application:			Certificate Filed More than 12 Months (6 Months for Designs) Price			
	Country		Application Number	Date of Filing (Mor	nth/Day/Year)		
Insert Requested Information: (if appropriate)							
	Code, \$112, I ack Federal Regulation	benefit under Title rt application(s) list ior United States and nowledge the duty t ns, \$1.56 which bec date of this applicat	o disclose information to ame available between	\$120 of any United States and/or Pt 5 the subject matter of each of the of the manner provided by the first para which is material to the patentability the filing date of the prior applica-	CT application(s) claims of this app agraph of Title 35 as defined in Tit ation and the na	, including for its including	

(Filing Date)

I hereby appoint the practitioners at CUSTOMER NO. 2292 and David Soltz (Reg. # 34,731) as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false atatements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false atatements may propardize the validity of the application or any patent issued thereon.

	AMII V NIARATI	INVENTOR'S SIGNA	THE	DATE*
GIVEN NAME/F		INVENTORS SIGNA	12. 2. 1	22Tul 2008
Joseph BERTHOL		1 - James C	CHIZE	23July 2003
Residence (City, S	· · · · · · · · · · · · · · · · · · ·		, ,	ISA
Linthicum, Maryl		Idano in chidin a Cina Santa da I		
	· •	ldress including City, State & (_ountry)	
1201 Winterson R	oad, Linthkum, Marylar	id, USA		
CIVEN NAME/F	AMILY NAME	INVENTOR'S SIGNA	TURE	DATE*
Loudon BLAIR				
Residence (City, S	state & Country)		CITIZE	NSHIP
Linthicum, Maryl	and, USA			
MAILING ADDR	ESS (Complete Street Ad	idress including City, State &	Country)	_
1201 Winterson R	oed, Linthicum, Marylar	nd 21090, USA		
GIVEN NAME/F	AMILY NAME	INVENTOR'S SIGNA	TURE	DATE*
Roger BAKOS				
Residence (City, S	State & Country)		CITIZE	NSHIP
Linthicum, Maryl	land, USA			
MAILING ADDR	ESS (Complete Street Ac	Idress including City, State &	Country)	
	loed, Linthicum, Marylar			
GIVEN NAME/F	AMILY NAME	INVENTOR'S SIGNA	ATURE	DATE*
Residence (City, S	State & Country)		CITIZE	NSHIP
MAILING ADDF	RESS (Complete Street Ac	ddress including City, State &	Country)	
GIVEN NAME/	AMILY NAME	INVENTOR'S SIGNA	ATURÉ	DATE*
\$	State & Country)		CITIZE	NSHIP
Residence (City,			l l	
	RESS (Complete Street A	ddress including City, State &	Country)	
, i	RESS (Complete Street A	ddress including City, State &	Country)	
, i		ddress including City, State &	ويوالة المرابق بمستويون	DATE*
MAILING ADDR			ATURE	DATE*
MAILING ADDR	FAMILY NAME State & Country)		ATURE	

BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING

Insert Title:

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

METHOD AND SYSTEM FOR PROVIDING PROTECTION IN AN OPTICAL COMMUNICATION NETWORK

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Fill in Appropriate	torth above and/or the f	ollowing:	ereto. If not attached her						
Information - For Use Without	The specification w	as filed on					as		
Specification	and amended on	ication Numbe	т			(if applies ble	· · · · · · ·		
Attached:	the specification wa	s filed on				(и аррисави	e) and/or		
	International Appli	cation Numbe	r			as PCT and was			
	amended on		- · · · · · · · · · · · · · · · · · · ·			(if applicable)			
	amended by any amend	ment referred	ed and understand the co to above. ose information which i			-			
	Regulations, 91.36.								
	year prior to this application, date of this application, date of this application representative or assign patent or inventor's certiapplication by me or my I hereby claim foreior inventor's certificate I	tescribed in all attion, that the that the inversion in any count of more than to the ficate on this legal representing the priority be sted below an	ition has not been paten try foreign to the Unite velve months (six month invention has been filed tatives or assigns, except nefits under Title 35, Un d have also identified be	n any country beto use or on sale in ted or made the seld States of Ame as for designs) properties in any country for as follows.	ore my or our inve- the United States subject of an inventerica on an applica- tior to this applicat	ention thereof or not americal more cor's certificate issuation filed by me ion, and that no a	nore than one than one year sed before the or my legal pplication for		
	a filing date before that or Prior Foreign Applica	· · · · · · · · · · · · · · · · · · ·	on on which priority is cl	laimed:	•				
Insert Priority	Thor Foreign Applica	don(s)				Priority (Llaimed		
Information:									
(if appropriate)	(Number)	(Country)		(Month/Day/	Year Filed)	Yes	No		
	(Number)	(Country)		(Month/Day/	Year Filed)	☐ Yes	□ No		
	(Number)	(Country)		(Month/Day/	Year Filed)	☐ Yes	□ No		
	01 1	<i></i>							
	(Number)	(Country)			Year Filed)	Yes	No		
	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.								
nsert Provisional	60/398,276			July 24, 20	02				
Application(s): if any)	(Application Number)			(Filing Da	te)				
	(Application Number) (Filing Date)								
	All Foreign Applications, if any, for any Patent or Inventor's Cartificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:								
	Country		Application Number		Date of Filing (Mor	nth/Day/Year)			
nsert Requested nformation: if appropriate)									
	I hereby claim the benef continuation-in-part app disclosed in the prior Un Code, §112, I acknowlec Federal Regulations, §1. international filing date of	ited States and lge the duty to 56 which beca	I below and, insolar as for PCT application in to disclose information warme available between	the subject matt he manner provid which is material t	er of each of the c led by the first para	laims of this applagraph of Title 35,	lication is not United States		
nsert Prior U.S. Application(s): if any)	(Application Number)		(Filing Date)		(Status - patented, j	pending, abandone	ed)		
are I of 2	(Application Number)		(Filing Date)		(Status - natented. 1	nending, abandone	-d)		

I hereby appoint the practitioners at CUSTOMER NO. 2292 and David Soltz (Reg. # 34,731) as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

ull Name of Brist	CHIENTALIAN CE (PANTE) (NAME) CHI							
cull Name of Brist or Sole inventor: reger Name of inventor reger Date This Document is Signed	GIVEN NAME/FAMILY NAME Joseph BERTHOLD	INVENTOR'S SIGNATURE		DATE*				
naert Résidence	Residence (City, State & Country)	CITIZENSHIP						
roeri OttzereNp 🗝 .	Linthicum, Maryland, USA							
nsert Post Office Address	MAILING ADDRESS (Complete Street Addre	ess including City, State & Country)						
	1201 Winterson Road, Linthicum, Maryland,	USA						
ull Name of Second Inventor, II any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
ace above	Loudon BLAIR							
	Residence (City, State & Country)	CITIZENSHIP						
	Linthicum, Maryland, USA							
	MAILING ADDRESS (Complete Street Addre	ess including City, State & Country)						
	1201 Winterson Road, Linthicum, Maryland 2	- •						
ull Name of Third Inventor, if any:	GIVEN NAME/FAMILY NAME	DVANIOR'S SIGNATURE		DATE*				
see above	Roger BAKOS	27546		7/24/03				
	Residence (City, State & Country)		CITIZENSHI					
	Linthicum, Maryland, USA	USA						
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
	1201 Winterson Road, Linthicum, Maryland 2	1090, USA		•				
ull Name of Fourth Inventor, If any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)		CITIZENSHI	P				
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
ull Name of Fifth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
ace above	Name I A V							
	Residence (City, State & Country)	•	CITIZENSHI	P				
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
ul) Name of Sixth Inventor, if any, see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)	CITIZENSHIP						
	MAILING ADDRESS (Complete Street Addr.	ess including City, State & Country)						
	MAILING ADDRESS (Complete Street Addre	ess including City, State & Country)						

Page 2 of 2 (Rev. 12/2002)

*DATE OF SIGNATURE